

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Plants for URSOLIC-ACID

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Agrimonia eupatoria</i>	Plant		6000.0	-0.5090810752075852	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Arbutus unedo</i>	Leaf				--
<i>Arctostaphylos uva-ursi</i>	Shoot				--
<i>Arctostaphylos uva-ursi</i>	Leaf	4000.0	7500.0	-0.24659009656320915	--
<i>Arctostaphylos uva-ursi</i>	Plant				--
<i>Artocarpus heterophyllus</i>	Root				Chemical Constituents of Oriental Herbs (3 diff. books)
<i>Berberis vulgaris</i>	Fruit				Jim Duke's personal files.
<i>Catalpa bignonioides</i>	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Catharanthus roseus</i>	Leaf				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Chimaphila umbellata</i>	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Chimaphila umbellata</i>	Shoot				--
<i>Chrysanthemum x morifolium</i>	Flower				Wealth of India.
<i>Cnicus benedictus</i>	Plant				Jim Duke's personal files.
<i>Cornus officinalis</i>	Seed				--
<i>Cornus mas</i>	Flower				Grigorescu, E., Ionescu, A. P. 1976. Isolation of Ursolic Acid from <i>Cornus mas</i> (Cornaceae). <i>Phytochemistry</i> , 15: 1097.
<i>Cornus officinalis</i>	Fruit				--
<i>Cornus florida</i>	Plant				--
<i>Cornus mas</i>	Shoot				Zorina, A. D., Matyukhina, L. G., Ryabinin, A. A. 1966. Triterpenes in Some Plant Species. <i>Chem Nat Comp</i> , 2(4): 291.
<i>Crataegus rhipidophylla</i>	Shoot				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Crataegus monogyna</i>	Inflorescence				--
<i>Crataegus rhipidophylla</i>	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Crataegus laevigata</i>	Shoot				--
<i>Crataegus laevigata</i>	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Crataegus monogyna</i>	Plant				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
<i>Crataegus laevigata</i>	Plant				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
<i>Crataegus cuneata</i>	Fruit				--
<i>Cryptostegia grandifolia</i>	Leaf				--
<i>Duboisia myoporoides</i>	Shoot		10.0	-0.7356690493616181	--
<i>Duchesnea indica</i>	Plant		1.6	-0.7954888884326422	--
<i>Elaeagnus pungens</i>	Leaf				Chemical Constituents of Oriental Herbs (3 diff. books)
<i>Eriobotrya japonica</i>	Leaf	13.7	955.6	-0.39428056659544786	--
<i>Eucalyptus grandis</i>	Leaf		6000.0	-0.28044128308120286	--
<i>Eucalyptus citriodora</i>	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
<i>Eucalyptus citriodora</i>	Root		67.0	1.0	--
<i>Eucalyptus globulus</i>	Leaf				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
<i>Eucalyptus globulus</i>	Wood		8.0		--
<i>Eucalyptus citriodora</i>	Leaf				--
<i>Forsythia suspensa</i>	Fruit				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Gaultheria fragrantissima	Leaf				=ICMR(Indian Council of Medical Research).1976.Medicinal Plants of India.Vol.1.Indian Council of Med. Res.Cambridge Printing Works, New Delhi.487 pp;ICMR.1987.Medicinal Plants of India.Vol.2.Indian Council of Med. Res.Cambr. Printing Works,New Delhi.600pp
Gaultheria procumbens	Leaf				--
Glechoma hederacea	Plant		166.0	-0.787639221105655	Chemical Constituents of Oriental Herbs (3 diff. books)
Harpagophytum procumbens	Tuber				--
Harpagophytum procumbens	Root				--
Helichrysum angustifolium	Stem				--
Helichrysum angustifolium	Flower				--
Holarrhena pubescens	Leaf				--
Humulus lupulus	Stem				--
Hyptis capitata	Shoot				Kashiwada, Y., et. al. 1998. Anti-AIDS Agents. 30. Anti-HIV Activity of Oleanolic Acid, Pomolic Acid, and Structurally Related Triterpenoids. J. Nat. Prod., 61 (9): 1090-1095.
Hyssopus officinalis	Plant		4900.0	-0.5616031801935085	--
Ilex paraguariensis	Leaf				--
Lavandula latifolia	Leaf	10000.0	19000.0	0.012935666741409262	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Lavandula angustifolia	Leaf		7000.0	-0.2578738254025404	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Leonurus cardiaca	Plant				--
Ligustrum lucidum	Plant				--
Ligustrum lucidum	Fruit		0.3	-1.0690174765081477	--
Ligustrum japonicum	Fruit				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Limonia acidissima</i>	Wood				Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
<i>Lycopus europeus</i>	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Malus domestica</i>	Fruit Epidermis				--
<i>Malus domestica</i>	Wax				--
<i>Malus domestica</i>	Pericarp				--
<i>Marrubium vulgare</i>	Flower				--
<i>Marrubium vulgare</i>	Leaf		1000.0	-0.39327857147451517	--
<i>Marrubium vulgare</i>	Plant		1200.0	-0.7382684424188871	--
<i>Melaleuca leucadendra</i>	Plant				--
<i>Melissa officinalis</i>	Plant				--
<i>Mentha spicata</i>	Plant				--
<i>Mentha x rotundifolia</i>	Tissue Culture				Jim Duke's personal files.
<i>Mentha spicata</i>	Leaf				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
<i>Mentha spicata</i>	Shoot				--
<i>Monarda didyma</i>	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Morinda citrifolia</i>	Leaf				--
<i>Nepeta cataria</i>	Shoot		10300.0	1.8174623226218731	--
<i>Nepeta cataria</i>	Plant				--
<i>Nerium oleander</i>	Plant		43000.0	1.2575715470462003	--
<i>Ocimum tenuiflorum</i>	Stem	20.0	100.0	-1.1136867413673455	--
<i>Ocimum basilicum</i>	Flower		1740.0		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Ocimum tenuiflorum	Leaf	2520.0	4780.0	-0.3079735814491711	--
Ocimum basilicum	Stem		845.0	0.7881966335751702	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Ocimum canum	Shoot				=ICMR(Indian Council of Medical Research).1976.Medicinal Plants of India.Vol.1.Indian Council of Med. Res.Cambridge Printing Works, New Delhi.487 pp;ICMR.1987.Medicinal Plants of India.Vol.2.Indian Council of Med. Res.Cambr. Printing Works,New Delhi.600pp
Ocimum tenuiflorum	Inflorescence	10.0	30.0		--
Ocimum tenuiflorum	Plant				--
Ocimum basilicum	Sprout Seedling		63.0		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Ocimum basilicum	Leaf				--
Origanum majorana	Plant	500.0	2100.0	-0.695295811066768	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Origanum vulgare	Plant		3100.0	-0.6475484428977467	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Plantago major	Plant				--
Plantago asiatica	Plant				--
Plectranthus amboinicus	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
Prosopis glandulosa	Shoot		145.0	-0.7021731567262663	Kashiwada, Y., et. al. 1998. Anti-AIDS Agents. 30. Anti-HIV Activity of Oleanolic Acid, Pomolic Acid, and Structurally Related Triterpenoids. J. Nat. Prod., 61 (9): 1090-1095.
Prunella vulgaris	Plant				--
Prunella vulgaris	Shoot	211.0	4400.0	0.35356775559538145	--
Prunus laurocerasus	Leaf		10000.0	-0.19017145236655297	--
Prunus africana	Bark		28900.0		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Prunus serotina</i>	Leaf				Chemical Constituents of Oriental Herbs (3 diff. books)
<i>Prunus cerasus</i>	Fruit				--
<i>Prunus persica</i>	Leaf				--
<i>Psidium guajava</i>	Leaf				--
<i>Psidium guajava</i>	Fruit				--
<i>Punica granatum</i>	Flower				--
<i>Punica granatum</i>	Leaf	4500.0	-0.31429246959919654		--
<i>Punica granatum</i>	Seed				--
<i>Punica granatum</i>	Fruit				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Punica granatum</i>	Pericarp	6000.0			Hegnauer, R. 1962-1997. Chemotaxonomie der Pflanzen, Bde 1-11. Birkhäuser Verlag Basel, Boston, Berlin.
<i>Pyrus communis</i>	Fruit				--
<i>Rhododendron ponticum</i>	Leaf				--
<i>Rhododendron ferrugineum</i>	Leaf				--
<i>Rhododendron dauricum</i>	Plant				--
<i>Rosmarinus officinalis</i>	Leaf	28000.0	192000.0	3.917105845150017	--
<i>Rosmarinus officinalis</i>	Shoot		20.0	-0.7331878721293699	--
<i>Rosmarinus officinalis</i>	Plant	28000.0	41000.0	1.1620768107081578	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Rubus fruticosus</i>	Plant				--
<i>Salvia sclarea</i>	Plant				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Salvia officinalis</i>	Root				--
<i>Salvia officinalis</i>	Stem		200.0	-0.8584003823146588	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Salvia triloba</i>	Plant		74500.0	2.761613644370369	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Salvia officinalis</i>	Leaf	1255.0	1300.0	-0.38650833417091646	--
<i>Sambucus nigra</i>	Flower				--
<i>Sambucus nigra</i>	Bark				--
<i>Sambucus nigra</i>	Leaf				--
<i>Sanguisorba officinalis</i>	Plant				--
<i>Satureja montana</i>	Leaf		16000.0	-0.054766706294578145	--
<i>Satureja hortensis</i>	Leaf		1700.0	-0.37748135109945147	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Satureja montana</i>	Plant		16000.0	-0.03160739351737296	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Satureja hortensis</i>	Stem		1000.0	1.1838904901068346	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Sorbus aucubaria</i>	Fruit				--
<i>Syringa vulgaris</i>	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Syzygium claviflorum</i>	Leaf		20.0	-0.41539467999960444	Kashiwada, Y., et. al. 1998. Anti-AIDS Agents. 30. Anti-HIV Activity of Oleanolic Acid, Pomolic Acid, and Structurally Related Triterpenoids. <i>J. Nat. Prod.</i> , 61 (9): 1090-1095.
<i>Teucrium scordium</i>	Plant				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Teucrium polium</i>	Plant				Rizk, A.F.M., The Phytochemistry of the Flora of Qatar, Scientific and Applied Research Centre, University of Qatar, Kingprint, Richmond, UK, 1986.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Teucrium scorodonia</i>	Leaf		3000.0	-0.3481436561171903	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Teucrium chamaedrys</i>	Plant				Abstract (See species file)
<i>Thevetia peruviana</i>	Leaf		1500.0	-0.38199484263518396	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Thymus serpyllum</i>	Plant	7500.0	9100.0	-0.3610642338836193	--
<i>Thymus vulgaris</i>	Plant	15000.0	18800.0	0.1020852373558865	--
<i>Uncaria tomentosa</i>	Plant				--
<i>Urtica dioica</i>	Root		15.0	-1.0	Jim Duke's personal files.
<i>Vaccinium myrtillus</i>	Fruit		2500.0	-0.2673024778	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Vaccinium vitis-idaea</i>	Fruit		7500.0	1.3363199543081485	--
<i>Vaccinium corymbosum</i>	Plant				--
<i>Vaccinium macrocarpon</i>	Fruit				--
<i>Vaccinium myrtillus</i>	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Verbena officinalis</i>	Plant				--
<i>Viburnum prunifolium</i>	Root Bark				--
<i>Viburnum prunifolium</i>	Bark				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Viburnum opulus</i>	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Vinca minor</i>	Leaf	1400.0	37000.0	0.41914990495733373	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

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Vinca minor	Plant	2400.0	13400.0	-0.15575055075682817	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Vitis vinifera	Fruit				--
Zizyphus jujuba	Plant				--